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2006

ETD Access and Discovery: Enhancing Public Access and Discovery of the Research at Florida State University

Plato Smith II





ETD Access and Discovery: Enhancing Public Access and Discovery of the Research at Florida State University

Plato L. Smith II, FSU Libraries
ETD 2006 US Regional, Oct. 27, 2006
University of Missouri – St. Louis



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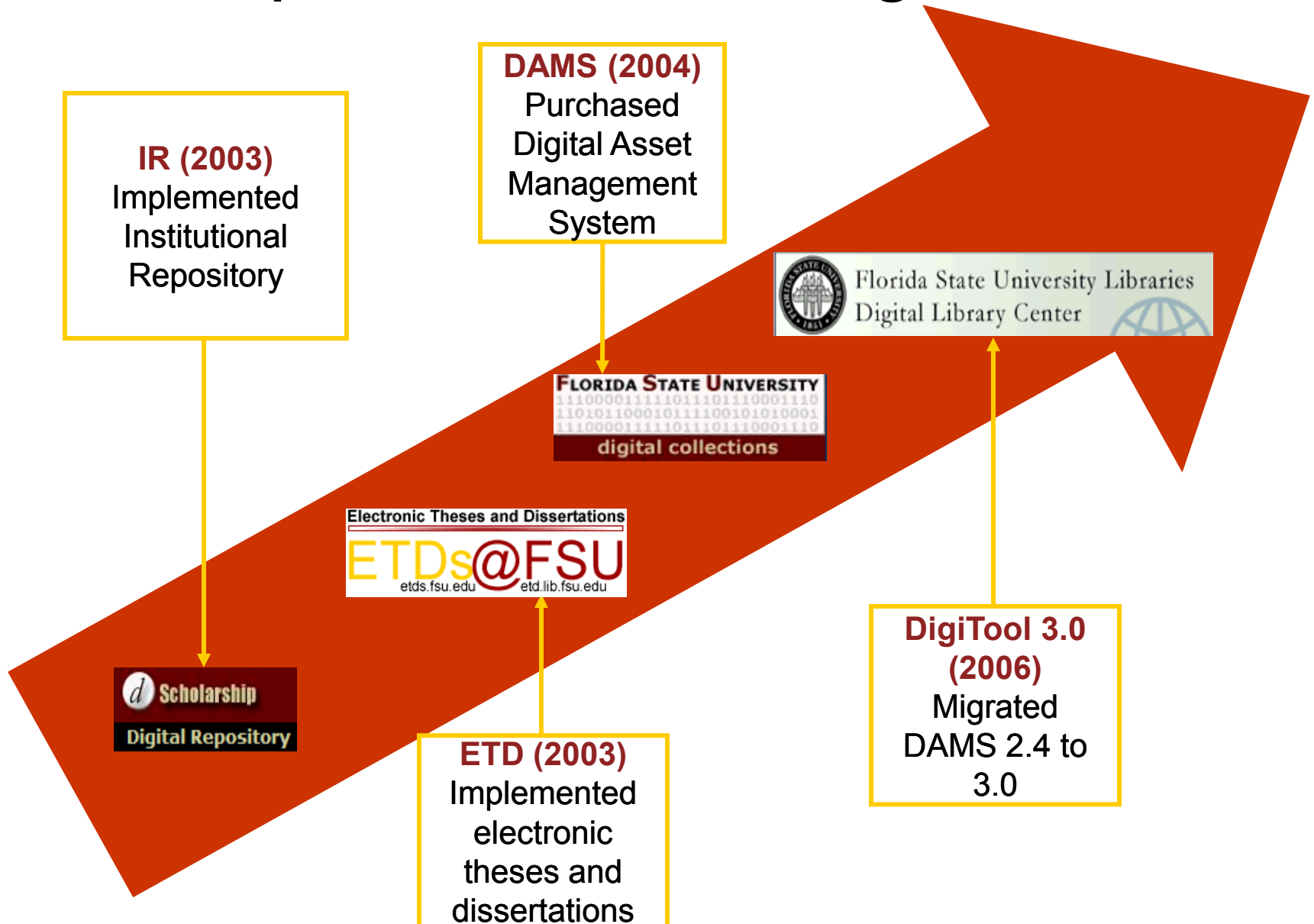
ETD 2006
U.S. Regional Conference
Revealing the Potential of ETDs

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Development of FSU Digital Assets



ETDs@FSU

- Florida State University – Tallahassee, FL USA
 - Characteristics
 - Enrollment – 38,886 students
 - Graduate Enrollment – 7,466
 - Faculty – 2,191
 - Carnegie Doctoral/Research Extensive University
 - ETD Pilot 2002-2003 Academic Year
 - ETDs Required Fall 2003 (Open Access)
 - 14,764 ETDs Available
 - 450 New ETDs Per Year



Plans to consolidate all FSU digital assets platforms to DigiTool 3.0 platform

- D-Scholarship Repository (BEPress EdiKit platform)
 - General Collection (i.e. conference presentations, papers, technical papers, etc.)
 - Oceanography Research and Technical Reports (FSU Department of Oceanography)
 - FSU Undergraduate Honors in the Major Theses Collection
- ETDs@FSU (etd-db platform)
 - ETDs@FSU 2003 - Present





Welcome to the FSU Libraries DLC Digital Repository

This repository will provide access to a variety of FSU Libraries DLC digital collections including "open access" ETDs. We plan to increase all digital collections, add digitized images and oral history audio files to FSU Special Collections EAD Finding Aids Inventories, and seek to build new and unique digital collections.

Use the Simple or Advanced Search form to search for a specific item or click on the collection links to browse the collections.

[Simple Search](#)

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Select collection:

GO

A word or phrase:

Contains Exact Starts With

Collections

[FSU D-Scholarship](#) (423)

[FSU Undergraduate Honors in the Major Theses](#) ,
[General Collection](#) , [Oceanography Research and Technical Reports](#)

[FSU History and Heritage Collections](#) (2719)

[FSU "Flying High" Circus](#) , [FSU Historical Photographs](#)

[FSU Electronic Theses and Dissertations](#) (9907)

[ETDs@FSU 2003-Present](#) , [FSU Dissertations 1952-1997](#) , [FSU Historic Early Theses](#)

[FSU Special Collections](#) (108)

[FSU Special Collections EAD Finding Aids Inventories](#) ,
[FSU Digitized Juvenile Literature](#)

[FSU Heritage Protocol Collection](#) (20)



[Collections](#) > [FSU Electronic Theses and Dissertations](#)

FSU Electronic Theses and Dissertations

FSU Electronic Theses and Dissertations [More...](#)

[ETDs@FSU 2003-Present](#) (1)



ETDs@FSU 2003-Present [More...](#)

[FSU Dissertations 1952-1997](#) (9076)

FSU Dissertations 1952-1997 [More...](#)

[FSU Historic Early Theses](#) (830)

FSU Historic Early Theses [More...](#)

Collection Information

Collection: [ETDs@FSU 2003-Present](#)

FSU Electronic Theses and Dissertations (ETDs@FSU) Collection represents theses and dissertations in electronic format from 2003 to present from ETD-db institutional repository with support and cooperation from various campus colleges, departments, and partners. Authors are required to complete and sign FSU Access Agreement Form prior to publishing. Please note some ETDs are delayed, restricted, and withheld and are governed by the Office of Graduate Studies.

Steps to Deposit ETDs in DigiTool 3.0

Students – Complete ETD Access Agreement Forms prior to deposit controlling access to ETDs

Students – Create metadata and deposit ETD as a PDF (1-3 PDF files) via DigiTool Web Deposit Module

Office of Graduate Studies – Review and approve ETDs for deposit via Approver Module

Digital Library Center – DLC staff ingest ETDs into Repository via Ingest Module which provides access via Resource Discovery interfaces

Choose type of object to be submitted

Type of object:

- HP Audio/Video
- HP Manuscript
- HP Image
- HP Standard Submission Form
- EAD
- ETD
- DLC Audio/Video
- DLC Image
- DLC Manuscript
- DLC Standard Submission Form

The following wizard will assist you with the submission of manuscript resources into the Institutional Repository.

During the deposit process, you will be asked to fill in some information about the deposited material, e.g. Title, Date of creation, etc. Mandatory information is marked with an asterisk to the left of the field.

Currently, we accept only three files per manuscript deposit, which must be in PDF format. Deposited items will not appear in the Institutional Repository until they have been checked and approved by the FSU Office of Graduate Studies.

Next >

Cancel

Steps to Deposit ETDs in DigiTool 3.0

Metadata Creation

Descriptive Information

* Collection_Id	<input type="text" value="etd03"/>
* Type of Document	<input type="radio"/> Thesis <input checked="" type="radio"/> Dissertation
* Author	<input type="text" value="Asbury, Thomas"/>
Author's Email	<input type="text"/>
URN Reference	<input type="text" value="etd-05172006-182808"/>
* Title	<input type="text" value="From Data to Structure: Using Orientational Information Within PISEMA Spectra to Build Atomic Models"/>
* Degree	<input checked="" type="radio"/> PhD <input type="radio"/> Master
* Department	<input type="text" value="Molecular Biophysics, Institute of"/>
* Advisor Committee Chair	<input type="text" value="Richard Bertram"/>
* Advisor Committee Member	<input type="text" value="Jack R. Quine"/>
* Advisor Committee Member	<input type="text" value="Michael S. Chapman"/>
Advisor Committee Member	<input type="text" value="Piyush Kumar"/>
Advisor Committee Member	<input type="text" value="Timothy A. Cross"/>

Steps to Deposit ETDs in DigiTool 3.0

Access Rights



Assertion of Copyright

Access Rights

By submitting the deposited item to the Institutional Repository you warrant that:

The information you provided above is full and correct and that you are either the copyright holder of the deposited item or you are authorized by the copyright holder to submit the item to the Institutional Repository.

The deposited Material doesn't violate any copyright law. By submitting the deposited item to the Institutional Repository you also agree to provide the Institutional Repository with perpetual, nonexclusive, non transferable right to take the necessary preservation actions to keep the deposited item accessible, including but not limited to conversion of the deposited material to other formats and making copies of the deposited material.

I accept the terms

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Steps to Deposit ETDs in DigiTool 3.0

Metadata Record Preview

Brief Information and Confirmation

Activity Information:

Id: 445104

Type: ETD

Local files:

[etd-05172006-182808.pdf](#)

Descriptive Information:

External files:

Collection_Id etd03

Type of Document Dissertation

Author Asbury, Thomas

Author's Email

URN Reference etd-05172006-182808

Title From Data to Structure: Using Orientational Information Within PISEMA Spectra to Build Atomic Models

Degree PhD

Department Molecular Biophysics, Institute of

Advisor Committee Chair Richard Bertram

Advisor Committee Member Jack R. Quine


Advisor Committee Member Michael S. Chapman


Advisor Committee Member Piyush Kumar

Advisor Committee Timothy A. Cross

Steps to Deposit ETDs in DigiTool 3.0

Deposit

 DIGITAL ASSET MANAGEMENT

Folders | New Deposit Activity User: DLC Staff Admin Unit: [FSU01] standard description 

Draft (0)


Submitted (41)

Returned (0)











Resubmitted (0)

Declined (0)

Approved (573)

Show/Hide Notes:  [Filter](#) Sort By

[< Previous](#) [1](#) [2](#) [3](#) [4](#) [Next >](#)

#	ID	Title	Type	Created On	Submitted On	Updated On	Action
31.	445103	Alterations	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	
32.	445104	From Data to Structure: Usi...	ETD	10/24/2006	10/24/2006	10/24/2006	
33.	445106	The fourth amendment: Court...	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	
34.	445108	Psychometric and demographi...	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	
35.	445110	Trained responses to common...	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	
36.	445112	Profiles of soil porosity i...	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	
37.	445114	Saddam Hussein's totalitari...	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	
38.	445116	Role of surface diffusion o...	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	
39.	445118	Pulley: A collection of sho...	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	
40.	445120	The effects of the North Am...	DLC Manuscript	10/24/2006	10/24/2006	10/24/2006	

Steps to Deposit ETDs in DigiTool 3.0 Resource Discovery

Florida State University Libraries
Digital Library Center

digital asset management

Search | Results | Previous Searches | Search Bases | My Space

Login | End Session | Help


Search **W-Local Collection= etd03** in **'General Silo'** Collection [Sorted by: Ranking]


Guest
Refine

Brief view Table view Full view

Sort by: Ranking

Records 1- 2 of 2

1  **Factors Affecting the Performance Levels of Risk Management Behaviors of Florida High School Athletic Directors**
Aaron, Thomas C
Sport, sports, liability, tort, law, sport law, sports law, negligence, ncaa, nasa, athletics


2  **From Data to Structure: Using Orientational Information Within PISEMA Spectra to Build Atomic Models**
Asbury, Thomas
Molecular Biophysics, Institute of

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Steps to Deposit ETDs in DigiTool 3.0

Resource Discovery



Object	 etd-05172006-182808 - PDF Document (22 M)
Record number	000013336
Identifier	etd-05172006-182808
Title	From Data to Structure: Using Orientational Information Within PISEMA Spectra to Build Atomic Models
Creator	Asbury, Thomas
Subject	Molecular Biophysics, Institute of
Subject	Solid-state NMR; Membrane proteins; Influenza A; Structural biology
Audience	Committee Chair - Richard Bertram; Committee Member - Jack R. Quine; Committee Member - Michael S. Chapman; Committee Member - Piyush Kumar; Committee Member - Timothy A. Cross
Description	Dissertation
Description	PhD
Description	<p>Atomic structure determination of membrane proteins is an important problem. Because of the difficulties in crystallization and traditional NMR techniques using membrane proteins, other experimental methods are being developed and investigated. One such method, the solid-state NMR PISEMA (Polar Inversion Spin-Exchange at the Magic Angle) experiment, determines orientational constraints for the target membrane protein. These constraints can be used to build a high resolution atomic model. This dissertation presents a detailed analysis of the PISEMA experimental data set and how it can be used to derive atomic structure. One of the aspects of the data set is that it is degenerate, that is, the orientational information measured by the data does not uniquely describe atomic locations. Thus, there are many possible structures that would provide the same data. An important goal of this work is to enumerate and characterize these degeneracies throughout each phase of model building and provide computational tools to manage them. The process of building atomic models from PISEMA data involves three major steps: assignment, initial model building and atomic refinement. For each step we present new software that is intended to aid in the model building process. The tools are designed to be used consecutively with limited, though significant, human intervention. The last section of the dissertation presents an application of our tools to a new PISEMA data set, from which we derive the first high-resolution atomic structure of the transmembrane portion of the M2 proton channel from the Influenza A virus in the presence of amantadine. For this case, we explain both the data processing and decision making that determined the final atomic model. It is likely that this semi-automated procedure will be applicable to other transmembrane protein PISEMA data sets.</p>
Date	05/01/2006

Developments & Implementation Issues

- FSU ETD Access Agreement Form with Creative Commons License (nc-nd2.5) - **9/2006**
- Full-text indexing capability in DigiTool 3.0
- Easy searchability between Metalib and DigiTool
 - FSU DigiTool recently added to Metalib Central Knowledgebase - **10/2006**
- Must sell DigiTool 3.0 to stakeholders
- Migration & metadata mapping issues
- Preservation & Archiving plans (i.e. LOCKSS)



Thank You

- FSU DigiTool 3.0 Collections
<http://digitool3.lib.fsu.edu/R/>



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